

ABSTRACT

A motion control system having a set of control nodes each of which controls motion along a single axis of the motion control system and which coordinate their collective motions using time synchronization technology. Each control node corresponds to an axis of the motion control system and each control node includes a synchronized clock and participates in a protocol for synchronizing the synchronized clocks. The application of a series of control values to each axis in the motion control system is coordinated using the synchronized clocks.